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SUBJECT CODE NO:- 2052 FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. F.Y (Sem. II)

Examination March/April-2022 (To Be Held In June/July-2022)

Botany Paper-IV

	Diversity of Cryptogams – II	
[Time:	1.53 Hours]	[Max. Marks:50
N.B	Please check whether you have got the right question paper. 1. Attempt all questions. 2. Illustrate your answer with suitable labeled diagrams.	
Q.1	Describe the general characters of Bryophytes and give its economic importance.	20
	OR Describe external & internal structure of Funaria sporophyte.	20
Q.2	Describe occurrence, external and internal structure of sporophyte of selaginella. OR	20
	Write short notes on (any four) a) Gemma CUP b) Heterospory c) Vegetative reproduction in Funaria d) Sporangium of equisetum e) Development of synangium f) Ligule	20
Q.3	Multiple choice questions.	10
	 Who among the following is regarded as father of Indian Bryology	
	 4. Marchantia plant shows CUP like structure on midrib of the branch called as a) Ostiale b) Gemma CUP c) Seta d) Receptacle 	

5.	This	s pteridophytic plant common	ly known as 'horse tail'.		
	a)	Selagenella	b) Mausilea		
	c)	Equisetum	d) Lycopodium		
6.	Strobilus of club mosses consist				
	a)	Chlorophyll	b) Xanthophyll		
	c)	Sporophyll	d) None of the above		
7.	Meg	gaspore shows small dark colo	oured papillae at its apex in the pteridophytic plant		
	a)	 Equisetum	b) Lycopodium		
	c)	Psilotum	d) Mausilea		
8.	In the psilotum plant state is				
	a)	Protostele	b) Siphonostele		
	c)	Plectostele	d) Mixed stele		
9.	In between stem and leaf small membranous outgrowth is called ligule, it is present in				
	a)	Selaginella	b) Marsilea		
	c)	Lycopodium	d) Equisetum		
10.	Pler	idophyte differ from Bryophy	rtes in possessing		
	a)	Independent gametophyte	b) Developing wall		
	c)	Vascular system	d) Flagellate spermatozoids		